

ABSTRACT

The present invention provides a process for producing a dipeptide which comprises: allowing an enzyme
5 source and a diketopiperazine wherein one or two kinds of α -amino acids are condensed with each other to be present in an aqueous medium, said enzyme source being a culture of a microorganism having the ability to produce a dipeptide from a diketopiperazine wherein two kinds of α -
10 amino acids are condensed with each other or a treated matter of the culture; allowing the dipeptide to form and accumulate in the aqueous medium; and recovering the dipeptide from the aqueous medium (provided that the case in which the diketopiperazine is a diketopiperazine
15 wherein aspartic acid and phenylalanine are condensed with each other and the dipeptide is aspartylphenylalanine is excluded).